

**METHOD, SYSTEM AND SOFTWARE FOR ALLOCATING INFORMATION  
HANDLING SYSTEM RESOURCES IN RESPONSE TO  
HIGH AVAILABILITY CLUSTER FAIL-OVER EVENTS**

5     ABSTRACT OF THE DISCLOSURE

          A method, system and software for allocating  
information handling system resources in response to  
cluster fail-over events are disclosed. In operation,  
the method provides for the calculation of a performance  
10     ratio between a failing node and a fail-over node and the  
transformation of an application calendar schedule from  
the failing node into a new application calendar schedule  
for the fail-over node. Before implementing the new  
application calendar schedule for the failing-over  
15     application on the fail-over node, the method verifies  
that the fail-over node includes sufficient resources to  
process its existing calendar schedule as well as the new  
application calendar schedule for the failing-over  
application. A resource negotiation algorithm may be  
20     applied to one or more of the calendar schedules to  
prevent application starvation in the event the fail-over  
node does not include sufficient resources to process the  
failing-over application calendar schedule as well as its  
existing application calendar schedules.